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May 7, 1991

National Toxicology Program; Chemicals (16) Nominated for Toxicological Studies; Request for Comments

SUMMARY: On March 13, 1991, the Chemical Evaluation Committee (CEC) of the **National Toxicology Program** (NTP) met to review eleven chemicals nominated for in-depth toxicological studies, and five chemicals for chemical disposition studies, and to recommend the types of studies to be performed, if any. With this notice, the NTP solicits public comments on the nominated chemicals in order to encourage public participation in the chemical evaluation process and to assist the NTP in making decisions about whether to test these chemicals.

FOR FURTHER INFORMATION CONTACT: Dr. Victor A. Fung, Chemical Selection Coordinator, **National Toxicology Program**, Room 2B55, Building 31, National Institutes of Health, Bethesda, Maryland 20892, (301) 496-3511.

TEXT: SUPPLEMENTARY INFORMATION: The NTP Chemical Evaluation Committee (CEC) is composed of representatives from the agencies participating in the NTP. As part of the chemical selection process of the National Toxicology Program, nominated chemicals which have been reviewed by the CEC are published in the Federal Register with request for comment. This is done to encourage active participation in the NTP chemical evaluation process, thereby helping the NTP to make more informed decisions as to whether to select, defer or reject chemicals for toxicology study. Comments and data submitted in response will be reviewed by NTP technical staff for use in the further evaluation of the nominated chemicals. The NTP chemical nomination and selection process is summarized in the Federal Register, April 1981 (46 FR 21828), and also in the NTP FY 1990 Annual Plan, pages 13-15.

On March 13, 1991, the CEC met to evaluate eleven chemicals nominated to the NTP for in-depth toxicological studies. The following table lists the chemicals, their Chemical Abstract Service (CAS) registry numbers, and the types of toxicological studies recommended by the CEC.

Chemical	CAS Registry No.	Committee recommendations
1. ((o-Carboxyphenyl)thio)ethylmercury sodium salt	54-64-8	No testing.
2. Hexamethyldisilazane	999-97-3	Carcinogenicity. Reproductive effects.
3. Isoeugenol	97-54-1	Chemical disposition. Carcinogenicity. Reproductive and developmental effects.
4. Sesamol	533-31-3	No testing.
5. 3,3',4,4'-Tetrachloroazobenzene	14047-09-7	Carcinogenicity.
6. 3,3',4,4'-Tetrachloroazoxybenzene	21232-47-3	Carcinogenicity.
7. Trimethylolpropane	15625-89-5	Chemical disposition. Carcinogenicity. Reproductive and developmental effects.
8. C.I. Acid Red 52	3520-42-1	Defer.

Chemical	CAS Registry No.	Committee recommendations
9. C.I. Basic Blue 3	33203-82-6	Defer.
10. C.I. Disperse Red 60	17418-58-5	Defer.
11. C.I. Vat Yellow 2	129-09-9	Defer.

Two of the eleven chemicals nominated for in-depth toxicological evaluation, ((o-carboxyphenyl)thio)ethylmercury sodium salt and isoeugenol, were previously tested in Salmonella by the NTP and were found to be nonmutagenic in this assay.

The CEC recommended that the four dyes (C.I. Acid Red 52, C.I. Basic Blue 3, C.I. Disperse Red 60, and C.I. Vat Yellow 2) be evaluated in the context of a class study of dyes. Therefore it was recommended that these nominated dyes be deferred in order to retrieve the necessary information to perform this overall evaluation.

In addition to the eleven chemicals listed above, the CEC reviewed five chemicals which were nominated only for chemical disposition studies. The chemicals were: Calcium naphthenate (CAS No. 85763-67-3), cobalt naphthenate (CAS No. 1789-51-3), copper naphthenate (CAS No. 1338-02-9), sodium naphthenate (CAS No. 61790-13-4), and 1,2-propylene glycol dinitrate (CAS No. 6423-43-4). The NTP is currently conducting a chemical disposition study of cobalt naphthenate; however, the focus of this study is on the cobalt moiety. Since the primary interest of the nominating source was in the naphthenate moiety rather than the metallic moiety of the four metal naphthenates, the CEC recommended chemical disposition studies of a naphthenic acid and no testing for any of the metal naphthenates.

The fifth chemical nominated for chemical disposition studies, 1,2-propylene glycol dinitrate (PGDN), has been suggested by the nominating source to be responsible for neurotoxic effects observed among workers at an incinerator site. The EPA is planning to perform neurotoxicity studies of the chemical. The CEC recommended chemical disposition studies of PGDN only if the proposed EPA studies indicate that PGDN is a neurotoxic agent.

Interested parties are requested to submit pertinent information on all of the nominated chemicals. The following types of data are of particular relevance:

- (1) Modes of production, present production levels, and occupational exposure potential;
- (2) Uses and resulting exposure levels, where known;
- (3) Completed, ongoing and/or planned toxicologic testing in the private sector including detailed experimental protocols and results, in the case of completed studies;
- (4) Results of toxicological studies of structurally related compounds.

Please submit all information in writing (by 30 days after date of publication) to Dr. Fung. Any submissions received after the above date will be accepted and utilized if possible.

Dated: April 30, 1991.

David G. Hoel,

Acting Director, National Toxicology Program.

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